

Melanogrammus aeglefinus (Haddock)

Priority 1 Species of Greatest Conservation Need (SGCN)

Class: *Actinopterygii* (Ray-finned Fishes)

Order: *Gadiformes* (Cods, Haddocks, Grenadiers)

Family: *Gadidae* (Cods)

General comments: none

No Species Conservation Range Maps Available for Haddock

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation:

IUCN Red List Status: **Vulnerable**

State Special Concern or NMFS Species of Concern: NA

Recent Significant Declines: NA

Regional Endemic: NA

High Regional Conservation Priority:

Atlantic States Marine Fisheries Commission Stock Assessments:

Status: Unstable/Decreasing, Status Comment:

Reference:

High Climate Change Vulnerability: NA

Understudied rare taxa: NA

Historical: NA

Culturally Significant: NA

Habitats Assigned to Haddock:

Formation Name	Subtidal
Macrogroup Name	Subtidal Coarse Gravel Bottom
Habitat System Name: Coarse Gravel	**Primary Habitat** Notes: adult spawning, juvenile feeding
Habitat System Name: Erect Epifauna	Notes: adult, juvenile
Habitat System Name: Kelp Bed	Notes: juvenile
Macrogroup Name	Subtidal Sand Bottom
Habitat System Name: Submerged Aquatic Vegetation	Notes: adult non-spawning, juvenile
Habitat System Name: Unvegetated	**Primary Habitat** Notes: adult and juvenile, non-spawning but main habitat

Stressors Assigned to Haddock:

Stressor Priority Level based on Severity and Actionability		Moderate Severity	High Severity
	Highly Actionable	Medium-High	High
	Moderately Actionable	Medium	Medium-High
	Actionable with Difficulty	Low	Low

IUCN Level 1 Threat	Biological Resource Use
IUCN Level 2 Threat:	Fishing and Harvesting of Aquatic Resources
Severity: Moderate Severity	Actionability: Moderately actionable
Notes: Historic heavy fishing pressure has drastically reduced haddock stocks in the Gulf of Maine and Maine waters. While there are current regulatory measures in place that limit haddock fishing, recent stock assessments for the Gulf of Maine found that the stocks may be recovering and that overfishing is not occurring	

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IUCN Level 1 Threat Human Intrusions and Disturbance

IUCN Level 2 Threat: Recreational Activities

Severity: Moderate Severity

Actionability: Moderately actionable

Notes: Historic heavy fishing pressure has drastically reduced haddock stocks in the Gulf of Maine and Maine waters. While there are current regulatory measures in place that limit haddock fishing, recent stock assessments for the Gulf of Maine found that the stocks may be recovering and that overfishing is not occurring

IUCN Level 1 Threat Climate Change and Severe Weather

IUCN Level 2 Threat: Habitat Shifting or Alteration

Severity: Severe

Actionability: Actionable with difficulty

Notes: As a coldwater species, changes in habitat associated with climate change and other environmental variables may limit the ability of the population to reach its potential, and may cause shifts in range or range truncation. Additionally, While reduced fishing pressure may allow cod stocks to rebuild slightly, changed in habitat associated with climate change and other environmental variables may limit the ability of the population to reach its potential.

IUCN Level 2 Threat: Temperature Extremes

Severity: Severe

Actionability: Actionable with difficulty

Notes: As a coldwater species, changes in habitat associated with climate change and other environmental variables may limit the ability of the population to reach its potential, and may cause shifts in range or range truncation. Additionally, While reduced fishing pressure may allow cod stocks to rebuild slightly, changed in habitat associated with climate change and other environmental variables may limit the ability of the population to reach its potential.

IUCN Level 1 Threat Energy Production and Mining

IUCN Level 2 Threat: Oil and Gas Drilling

Severity: Moderate Severity

Actionability: Actionable with difficulty

Notes: There is potential for offshore oil spills in the Gulf of Maine from tankers. The use of oil dispersants increases the effect on groundfish and pelagic species by increasing the toxicity of oil globules, though the exact effects are not well documented.

Species Level Conservation Actions Assigned to Haddock:

None. *Only species specific conservation actions that address high (red) or medium-high (orange) priority stressors are summarized here.*

Guild Level Conservation Actions:

This Species is currently not attributed to a guild.

Broad Taxonomic Group Conservation Actions:

Relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

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The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.